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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/796,033	03/10/2004	Shin Yasuda	1 19038	2178
25944 75	90 06/29/2005		EXAMINER	
OLIFF & BERRIDGE, PLC			ASSAF, FAYEZ G	
P.O. BOX 19928 ALEXANDRIA, VA 22320			ART UNIT	PAPER NUMBER
			2872	
			DATE MAILED: 06/29/2005	

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)				
	10/796,033	YASUDA ET AL.				
Office Action Summary	Examiner	Art Unit				
	Fayez G. Assaf	2872				
The MAILING DATE of this communication a Period for Reply	ppears on the cover sheet with the o	correspondence address				
A SHORTENED STATUTORY PERIOD FOR REP THE MAILING DATE OF THIS COMMUNICATION  - Extensions of time may be available under the provisions of 37 CFR after SIX (6) MONTHS from the mailing date of this communication.  - If the period for reply specified above is less than thirty (30) days, a re - If NO period for reply is specified above, the maximum statutory perions  - Failure to reply within the set or extended period for reply will, by state Any reply received by the Office later than three months after the mail earned patent term adjustment. See 37 CFR 1.704(b).	1.  1.136(a). In no event, however, may a reply be tireply within the statutory minimum of thirty (30) days will apply and will expire SIX (6) MONTHS from the cause the application to become ABANDONE	nely filed s will be considered timely. the mailing date of this communication. D (35 U.S.C. § 133).				
Status						
1) Responsive to communication(s) filed on 13	April 2005.					
•	<u> </u>					
3) Since this application is in condition for allow	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.					
Disposition of Claims						
<ul> <li>4)  Claim(s) 1-74 is/are pending in the application 4a) Of the above claim(s) 17-32,67,68,73 and 5)  Claim(s) is/are allowed.</li> <li>6)  Claim(s) 1-4,10-16,33-36 and 42-52, 58-66, 7)  Claim(s) 5-9,37-41 and 53-57 is/are objected 8)  Claim(s) are subject to restriction and</li> </ul>	<u>d 74</u> is/are withdrawn from consider 69-72 is/are rejected. I to.	ration.				
Application Papers						
9) The specification is objected to by the Examin	ner.					
	☑ The drawing(s) filed on 10 March 2004 is/are: a)☑ accepted or b)☐ objected to by the Examiner.					
Applicant may not request that any objection to the	ne drawing(s) be held in abeyance. See	e 37 CFR 1.85(a).				
Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the	• • • • • • • • • • • • • • • • • • • •	•				
Priority under 35 U.S.C. § 119						
a) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of:  1. Certified copies of the priority docume 2. Certified copies of the priority docume 3. Copies of the certified copies of the priority docume application from the International Bure * See the attached detailed Office action for a list	nts have been received. nts have been received in Applicati iority documents have been receive au (PCT Rule 17.2(a)).	on No ed in this National Stage				
Attachment(s)	<b></b> □	(DTO 442)				
<ol> <li>Notice of References Cited (PTO-892)</li> <li>Notice of Draftsperson's Patent Drawing Review (PTO-948)</li> <li>Information Disclosure Statement(s) (PTO-1449 or PTO/SB/0 Paper No(s)/Mail Date 3/10/2004.</li> </ol>	4) Interview Summary Paper No(s)/Mail D  5) Notice of Informal F  6) Other:					

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#### DETAILED ACTION

### Election/Restrictions

Applicant's election without traverse of Species I: claims
1-16, 33-66 and 69-72 in the reply filed on 4/13/2005 is
acknowledged.

## Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-3, 10-16, 33-35, 42-51, 58-66 and 69-72 are rejected under 35 U.S.C. 102(b) as being anticipated by Kawano et al. (US 2001/0002895 A1).

Regarding claims 1, 33, 49, 65, 66, 69, 70, 72 and 74

Kawano discloses a holographic recording method comprising:

simultaneously irradiating a signal light beam (1 of Fig. 19)

and a reference light beam (2 of Fig. 19) onto an optical

recording medium (10 of Fig. 19) while an angle formed between

the signal light beam and the reference light beam is set

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constant; and recording information of the signal light beam in the optical recording medium as a plurality of pages of holograms, by changing a recording position while relatively shifting at least one of (A) the signal light beam and the reference light beam, and (B) the optical recording medium (paragraph [0143]), wherein page data is multiple-recorded for each predetermined unit (i.e. rewritable data hologram).

Regarding claims 2, 34, 50, 51 and 71, Kawano discloses the page data in the predetermined unit being a page data that constitutes one file (i.e. 2-dimentional array of data).

Regarding claim 3, 35, Kawano discloses the information making the file corresponding to a recording area (i.e. due to shift multiplexing), in which the file is recorded.

Regarding claims 10, 42 and 58, Kawano discloses the polarization direction of the signal light beam being set parallel to a polarization direction of the reference light beam (claim 11).

Regarding claim 11, 12, 43, 44, 59 and 60, Kawano discloses the polarization direction of the signal light beam being set orthogonal to a polarization direction of the reference light beam (claim 12).

Regarding claim 13-16, 45-48 and 61-64, Kawano discloses the optical recording medium includes at least one type of

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polymer includes an azobenzene structure in a side chain (paragraph [0138]).

## Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 4, 36 and 52 are rejected under 35 U.S.C. 103(a) as being unpatentable over Kawano et al.

Kawano discloses the claimed invention except for the page data that represents head information being added to a front/end page of the file.

However, such referencing is well known in multiple hologram recording.

It would have been obvious, at the time the invention was made, to a person having ordinary skill in the art to add head information in order to ease file searching/classifying.

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The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Wilson et al. (US 2004/0027629 A1)

King et al. (US 6,721,076 B2)

## Allowable Subject Matter

Claims 5-9, 37-41 and 53-57 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Claims 5-9 and 37-41 and 53-57 are allowable over the prior art for at least the reason that the prior art fails to teach or reasonably suggest when the page data included in the one file is divided to a plurality of blocks and the plurality of blocks are recorded, the page data in the predetermined unit is page data that constitutes one block of the plurality of blocks as set forth in the claimed combination.

#### Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Fayez G. Assaf whose telephone number is (571) 272-2307. The examiner can normally be reached on 8-5 M-F.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Drew Dunn can be reached on (571) 272-2312. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Tayer Assaif

Fayez G. Assaf Primary Examiner Art Unit 2872